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TS-159121
3 May 1961

MEMORANDUM FOR: Deputy Director (Intelligence)

SUBJECT : Required Augmentation of NPIC for the FY 1962 and 1963

1. This paper sets forth the NPIC estimates of the personnel strengths and financial support required by the Center over the fiscal years 1962 and 1963 in order to establish a capability for adequate processing of the estimated inputs of photography and to attempt to satisfy the estimated requirements workload for interpretation reports and the myriad of related services inherent in this national operation. Further, it spells out the methods used in arriving at these projections.

2. The true bases of our estimates can be succinctly and simply stated as:

a. input figures furnished by the operations people,

b. anticipated requirements provided by CIA elements and the military services as principal consumers,

c. application and projection of our experience to date in handling sizeable volumes of inputs of material derived from a mix of systems.

3. Operating within the above broad outline we set forth more specific planning determinations to aid in arriving at a so called "PI base", i.e., the number of photographic intelligence officers necessary to handle the inputs and produce the required intelligence. Once determined this PI base served as the focal point of our projections around which we built the estimates of staff and support personnel.

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4. First, as to the planning determination affecting the PI base, the following were used:

Inputs

a. These facts given to us by collection authorities were accepted on an individual basis at face value:

1. Timing of oncoming systems and total length of operations

2. linear footage capacity per mission

3. ground resolution

4. ground cover

b. The total take to be produced from the planned operational systems (3a. above) was reduced by 50% in consideration of these possible, and in some cases likely, occurrences:

1. delayed start or slippage in time scale

2. mission failures

3. system cancellation

4. less than capacity footage carried

5. cloud cover

Experience

a. Based upon our experience in handling a mix of systems involving different formats, altitudes, resolutions, ground cover, etc., we found that although each system produced different problems and at the same time different benefits these factors when related to workload levied on the PI tended to balance out and therefore the establishment of a correlation between linear footage received and the number of PI's required to exploit it became a valid base for projection.

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b. Anticipated systems, although different in some respects from present and past operational systems, nonetheless will contain many of the same elements of mix and therefore it was reasonable to establish essentially the same ratio between linear footage received and the number of PI's required.

c. Additional considerations had to be brought to bear at this point including:

1. % of actual workload handled on current basis, i.e. how much backlog was carried

2. Requirements never submitted because requestors realized low priority and hence impossibility of satisfaction

3. amount of time lost in training, travel, technical development work, leave, special assignments

4. experience gained in handling material

5. advances in equipment development as aids to PI's

d. The PI strength thus determined was adjusted due to administrative determinations such as:

1. capability of the organization to locate and recruit PI's or trainees

2. ability to absorb increased numbers within the organization over given time periods considering the degree of training required and load put on the supervisory staff.

5. Thus, as described above, the PI base was established and used as a pivot in measuring our requirements for support and service personnel. Our experience has proven beyond reasonable doubt that, to date, we have needed and provided three support and service type personnel for every working PI. Our knowledge of future systems, although limited in many respects, indicates that this support to PI ratio must increase, particularly in the technical areas. A function by function analysis will show the extent of increase to be very uneven but overall an increase from 3.0 - 1 to 3.5 - 1 seems warranted and indeed may prove conservative.

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TOP SECRET

T8-159121

SUBJECT: Required Augmentation of NPIC for the FY 1962 and 1963

6. Application of all of the above factors and determinations result in the following total estimates:

	FY62	FY63
Personnel	[redacted]	
Funds		

25X1

A more detailed breakout is attached, Tabs A - C.

[redacted]

25X1

ARTHUR C. LUNDAHL
Director
National Photographic Interpretation Center

ATTACHMENTS
TABS A - C

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SPECIAL HANDLING

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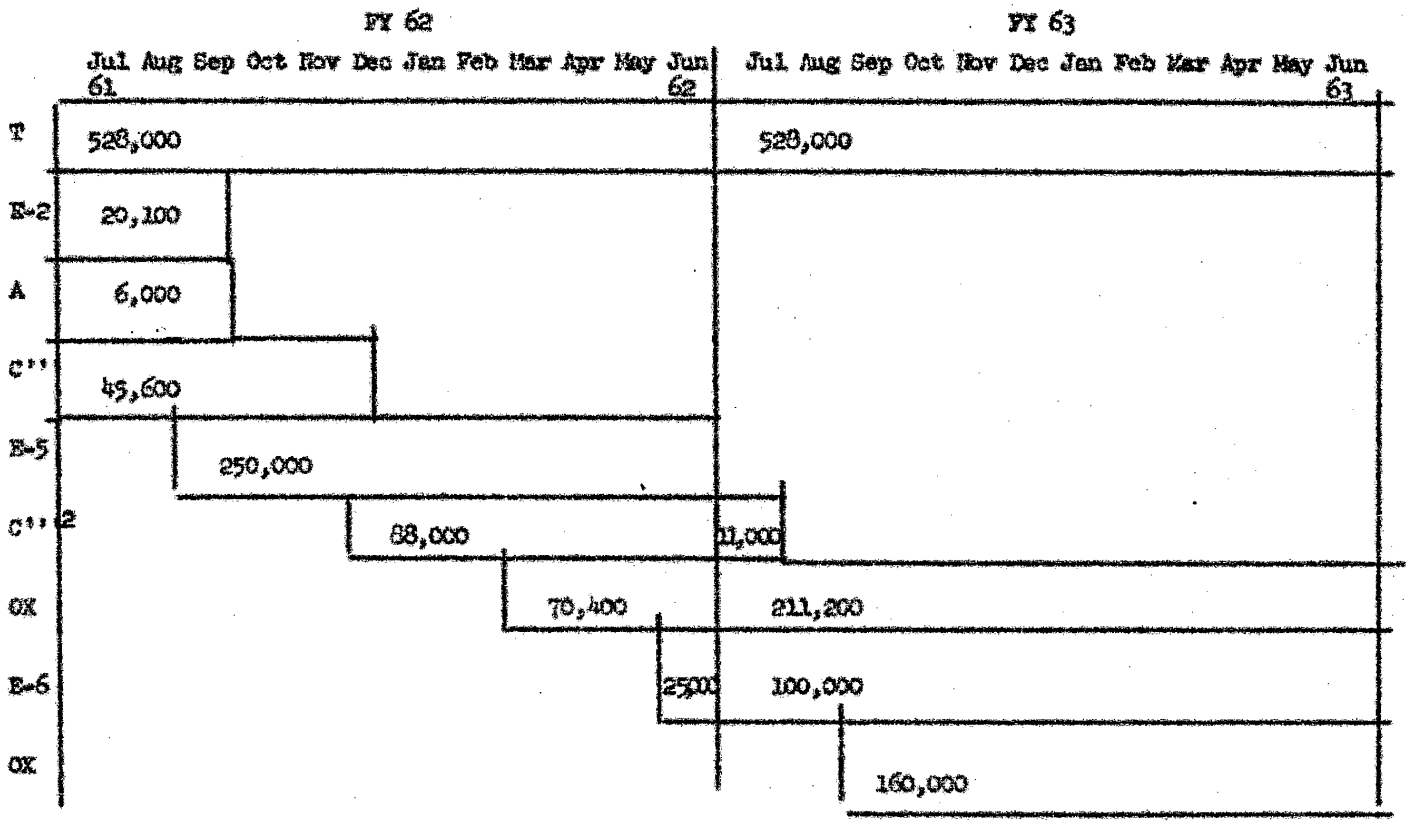
TAB A
TS-159121

SYSTEM-TIME RELATION



Cross Input 1,033,000 linear ft. 1,010,000 linear ft.

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25X1
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